

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number  
**WO 2005/032643 A1**

(51) International Patent Classification<sup>7</sup>: **A61M 37/00**,  
5/32, 5/00

(74) Agent: WRAY & ASSOCIATES; Level 4, The Quadrant,  
1 William Street, Perth, Western Australia 6000 (AU).

(21) International Application Number:  
PCT/AU2004/001362

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003905449 6 October 2003 (06.10.2003) AU

(71) Applicant (for all designated States except US): EAST-  
LAND MEDICAL SYSTEMS LTD [AU/AU]; Unit 6,  
680 Murray Street, West Perth, Western Australia 6872  
(AU).

(72) Inventor; and

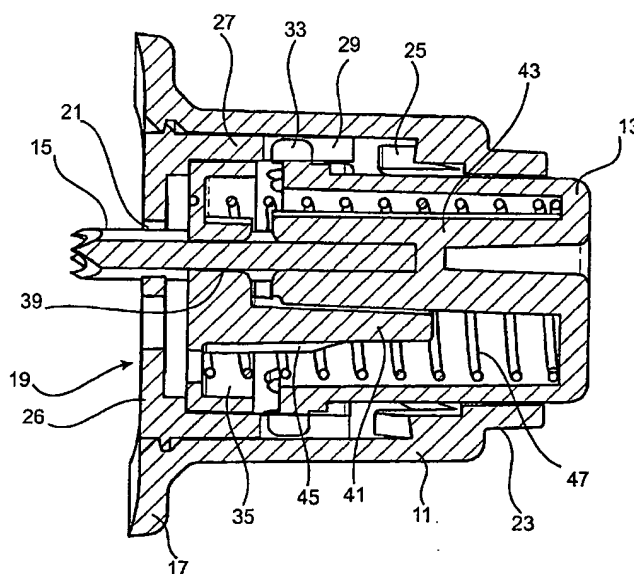
(75) Inventor/Applicant (for US only): BUNCE, Philip  
[AU/AU]; 9-15 Beverley Street, Portland, Victoria 3305  
(AU).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: INOCULATION DEVICE



(57) Abstract: An inoculation device comprising a body having a fixed portion (11) and a moveable portion (13), the fixed portion having a front face (26) the moveable portion supported from the fixed portion rearward of the front face, a needle (15) supported from the moveable portion to be moveable on relative longitudinal movement of the moveable portion with respect to the fixed portion, towards and away from the front face whereby free end of the needle is moveable between a retracted position at which the free end of the needle lies to the rear of the front face and an extended position at which the free end of the needle extends in front of the front face, said moveable portion being biased to the retracted position, an indexing means (25, 29 and 33) provided between the moveable portion and the fixed portion to cause lateral movement of the needle relative to the longitudinal movement in association with the longitudinal movement of the needle

WO 2005/032643 A1



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*